

<p align="center">1 INTRODUCTION</p>	<p align="center">Page 1 of 3</p>
<p align="center">Division of Forensic Science</p> <p align="center">BLOODSTAIN PATTERN ANALYSIS TRAINING MANUAL</p>	<p align="center">Amendment Designator:</p>
	<p align="center">Effective Date: 15-October-2004</p>
<p align="center">1 INTRODUCTION</p> <p>1.1 Overview</p> <p>Bloodstain Examiners must be able to classify stains and provide scene and case reconstruction information when possible. The purpose of this training manual is to provide the Division of Forensic Science with qualified personnel capable of providing the examinations mentioned above. The trainee will follow a structured sequence of instruction that begins with a basic introduction to forensic science and the bloodstain discipline. The trainee is required to attend at least two 40 hour Bloodstain Schools and for at least 1 to 1 ½ years, process cases (minimum of twenty cases) under the supervision of a qualified bloodstain examiner. In addition, the trainee will complete a module on blood identification to be presented by a qualified member of the Forensic Biology Section</p> <p>1.2 Goal</p> <p>The qualified Bloodstain Examiner must be able to independently conduct complex examinations, convey conclusions in writing (Certificate of Analysis) and provide effective court testimony as an expert witness.</p> <p>1.3 Objectives</p> <p>The objectives will be stated in the individual Training Modules listed in this manual.</p> <p>1.4 Training Duration</p> <p>The duration of the bloodstain examiners training is approximately 1-1 ½ years. The training time will vary depending on the time required to enroll the trainee in the proper adjunctive training courses and the length of time required to have a sufficient number of cases for examination.</p> <p>1.5 Text References</p> <p>1.5.1 Bevel, Tom and Gardner, Ross M., Bloodstain Pattern Analysis, New York, CRC Press LLC, 2002, 2nd Edition, New York</p> <p>1.5.2 Eckert, William G and James, Stuart H., Interpretation of Bloodstain Evidence at Crime Scenes, 1999, Elsevier Science Publishing Co. Inc., 2nd Edition</p> <p>1.5.3 James, Stuart H. (Edited by), “Scientific and Legal Applications of Bloodstain Pattern Interpretation” 1999, CRC Press LLC, New York</p> <p>1.5.4 Wonder, Anita Y., Blood Dynamics, 2001, Academic Press, New York</p> <p>1.6 Evaluation</p> <p>The trainee will successfully complete the following modules.</p> <p>1.6.1 The History of Bloodstain Pattern Analysis.</p> <p>1.6.2 Bloodstain Pattern Analysis Terminology & Definitions.</p> <p>1.6.3 Physical Properties of Blood.</p> <p>1.6.4 Size, Shape and Distribution.</p> <p>1.6.5 Common Pattern Types (Categories) and Spatter Characteristics.</p>	

<p align="center">1 INTRODUCTION</p>	<p align="center">Page 2 of 3</p>
<p align="center">Division of Forensic Science</p> <p align="center">BLOODSTAIN PATTERN ANALYSIS TRAINING MANUAL</p>	<p align="center">Amendment Designator:</p>
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<p>1.6.6 Origin Determination.</p> <p>1.6.7 Bloodstain Examination Equipment & Supplies.</p> <p>1.6.8 Blood Detection</p> <p>1.6.9 Bloodstain Evidence Photography and Documentation.</p> <p>1.6.10 Crime Scene Procedures and Documentation. (See Bloodstain Procedure Manual Section 10)</p> <p> 1.6.10.1 Note Keeping Guides.</p> <p> 1.6.10.2 Sketching or Illustration Guide.</p> <p>1.6.11 Examination Procedures.</p> <p>1.6.12 Report Writing and Court Presentation.</p> <p>1.6.13 Complete Technical Final.</p> <p>1.6.14 Complete Practical Test.</p> <p>1.6.15 Complete Moot Court.</p> <p>1.6.16 Additional Required Training.</p> <p> 1.6.16.1 Complete Basic 40 hour Bloodstain Course.</p> <p> 1.6.16.2 Complete Advanced 40 hour Bloodstain Course.</p> <p> 1.6.16.3 Complete “Blood Identification” Training.</p> <p>1.7 Study Hours</p> <p>Study time for trainees is not restricted to working hours. Trainees are expected to devote a portion of their off-duty time to their studies to complete the program of instruction. This is consistent with professional training programs of this nature.</p> <p>1.8 Review of DFS Policies</p> <p>1.8.1 Review of Quality Manual, A.O.P. & R.O.P.</p> <p>1.9 Assessment/Training of Experienced Personnel</p> <p>The responsibility for assessing the degree of qualifications of newly hired personnel who have previously successfully completed a qualifying training program of instruction in Bloodstain Pattern Analysis shall lie with the Section Chief. In order to substitute for the entirety of the training specified in this manual, the qualifying course must have been formally structured, must have covered all appropriate facets of Bloodstain Pattern Analysis, must have been administered by a reputable organization (or individual), and the duration must not have been less than one year (full-time). Methods of verifying the completion of prior training could include reviewing the individual’s job application, personal interview, review of transcripts or prior training records, checking references, consulting with previous training officers, administering a series of practical exams, plus others. Newly hired personnel shall not be considered for certification by the Division Director (or appropriate designee) to begin any actual casework until each has successfully completed at least one competency test and an appropriate mock court exercise. The certification shall be in writing on a memorandum from the</p>	

1 INTRODUCTION	Page 3 of 3
Division of Forensic Science BLOODSTAIN PATTERN ANALYSIS TRAINING MANUAL	Amendment Designator:
	Effective Date: 15-October-2004
<p>Section Chief to the Division Director, and shall contain the signatures of both the Section Chief and the Division Director (or appropriate designee). A copy of the signed memorandum shall be retained by the Section Chief.</p> <p style="text-align: right;">◆End</p>	